



(19)

Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11)

**EP 1 045 391 A1**

(12)

**EUROPEAN PATENT APPLICATION**

(43) Date of publication:  
18.10.2000 Bulletin 2000/42

(51) Int Cl<sup>7</sup>: **G11B 20/12, G11B 20/14**

(21) Application number: 99201185.8

(22) Date of filing: 16.04.1999

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(72) Inventors:  
• Spruit, Johannes Hendrikus Maria  
5656 AA Eindhoven (NL)  
• Van Vlerken, Johannes Josephus Leonardus  
5656 AA Eindhoven (NL)

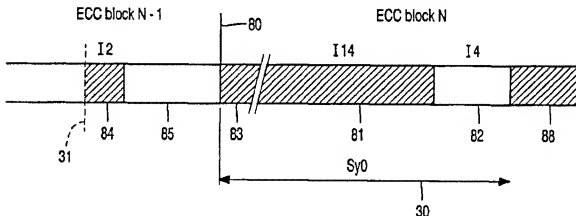
(71) Applicant: Koninklijke Philips Electronics N.V.  
5621 BA Eindhoven (NL)

(74) Representative: Riem, Charles Hendrik  
Internationaal Octrooibureau B.V.  
Prof. Holstlaan 6  
5656 AA Eindhoven (NL)

(54) **Method and device for recording information in units**

(57) A method and device for recording information in units on a partly recorded writable record carrier (11), e.g. an optical disc. The information is recorded in a track represented by series of marks of different runlengths between a minimum runlength and a maximum runlength and synchronizing patterns of marks, which patterns do not occur in the series of marks and comprise at least one long mark of at least the maximum

runlength. At least one information unit is encoded into a modulated signal comprising signal elements corresponding to said marks. The track is scanned up to a link position before a selected one of said addressable locations, and the modulated signal is recorded from the link position. The modulated signal is provided at the begin and/or at the end with a link signal element corresponding to a mark of at most the minimum runlength.

**FIG. 8**